

Arduino - demultiplexer - NAND oscillator/digipot circuit.

The demultiplexer runs 16 digipot chips (2 of which are shown here), for a total of 32 sound signals (4 of which are shown here). A second demultiplexer (not shown) will add an additional 32 sound signals for our installation. Each signal is played through a small, cheap speaker powered by an LM386 audio amplifier.

References:

Collins, "Handmade Electronic Music", ch. 20
<http://www.arduino.cc/en/Tutorial/SPIDigitalPot>

